

Patent Claims

- 3-  
Inv. F1
1. FMDV vaccine <sup>comprising</sup> ~~based on~~ peptides with a sequence of at least 8 amino acids which corresponds to a part-sequence from the non-structural protein region of FMDV, which has been selected through immunoreactivity with FMDV-specific antibodies or through immunoreactivity with FMDV-specific T lymphocytes.
  2. FMDV vaccine according to Claim 1, characterized in that the peptides consist of 8 to 35 amino acids.
  3. FMDV vaccine according to Claim 1, characterized in that the peptides consist of 8 to 15 amino acids.
  - a 4. FMDV vaccine according to any of Claims 1 <sup>wherein</sup> ~~to 3, characterized in~~ that the peptides correspond to parts of regions on the genome of the FMDV which code for the proteins L/L', 2B, 2C, 3A, 3B, 3D.
  5. FMDV vaccine according to Claim 4 <sup>wherein</sup> ~~characterized in~~ that the peptides correspond to parts of regions on the genome of the FMDV which code for the proteins 2B, 2C, 3A, 3B.
  - ~~6. Peptides as defined in any of Claims 1 to 5.~~
  7. Peptides according to Claim 6, which are modified by coupling to carrier proteins or inactivated viruses.
  - a 8. DNA sequences which code for peptides according to Claim 6 ~~or 7~~.
  9. Use of the FMDV vaccine according to Claim 4 for immunizing pigs.
  10. Use of the FMDV vaccine according to Claim 5 for immunizing cattle.

- ADD A'  
ADD A2  
ADD A3

[illegible]